

LIQUID EFFLUENT

Test Reactor Area Cold Waste Pond Results for 2004

At this time, the Test Reactor Area (TRA) Cold Waste Pond has not been issued a Wastewater Land Application Permit. However, quarterly samples are collected from the effluent (TRA-764) to show compliance with the State of Idaho *Wastewater Land Application Permit Rules* limits for rapid infiltration systems. Concentration limits are set for total nitrogen at 20 mg/L and total suspended solids (TSS) at 100 mg/L. Total nitrogen is calculated from the reported total Kjeldahl nitrogen and nitrate + nitrite as nitrogen results. The TRA Cold Waste Pond effluent is sampled quarterly for the following parameters:

TRA Effluent (TRA-764)
Total Kjeldahl nitrogen
Nitrate + nitrite as nitrogen
Total suspended solids

During the first quarter of 2004:

- All required parameters for the effluent were within historical ranges.
- Both total nitrogen and TSS were below the regulatory limits set for rapid infiltration systems.

During the second quarter of 2004:

- All required parameters for the effluent were within historical ranges.
- Both total nitrogen and TSS were below the regulatory limits set for rapid infiltration systems.

The following graphs present results of sampling performed since 2003 for those parameters with set concentration limits.

FOR MORE INFORMATION

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